### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization

International Bureau



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(43) International Publication Date 28 October 2004 (28.10.2004)

PCT

(10) International Publication Number WO 2004/091838 A2

- (51) International Patent Classification7:
- **B23K**
- (21) International Application Number:

PCT/US2004/010632

- (22) International Filing Date:
- 9 April 2004 (09.04.2004)
- (25) Filing Language:

**English** 

(26) Publication Language:

**English** 

- (30) Priority Data: 60/461,476
- 9 April 2003 (09.04.2003) US
- (71) Applicant (for all designated States except US): THE REGENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 1111 Franklin Street, 5th Floor, Oakland, CA 94607 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JIN, Sungho [US/US]; 13634 Old El Camino Real, San Diego, CA 92130 (US).
- (74) Agent: BOOKS, Glen, E.; Lowenstein Sandler PC, 65 Livingston Avenue, Roseland, NJ 07068 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: METHOD OF SOLDERING OR BRAZING ARTICLES HAVING SURFACES THAT ARE DIFFICULT TO BOND

Provide articles having	NH.
bonding surfaces	
1	 
Dispose universal solder	
or braze between	NB
bonding surfaces	
V	<del>-</del>
Wet the surfaces with	
solder and bond, under	NC
substantially oxygen-free	<b> </b>
conditions.	
	1

(57) Abstract: Applicant has discovered that articles comprising inorganic surfaces that are difficult to bond can be more effectively soldered or brazed with a solder or braze containing rare earth elements where the rare earth (RE) elements are substantially kept from contact with air at soldering temperatures, i.e. the RE elements are exposed to air for no more than a few seconds at soldering temperature. This can be efficiently accomplished in several ways. The result is efficient, strong bonding of materials previously considered difficult to bond.



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